



SHENSHENG

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2L Rotary Evaporator



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2L Rotary Evaporator



Model : R201B

- Economic
- Motor Lift
- Diagonal
- Low Height
- See P3-P4



Model : R202B

- General
- Motor Lift
- Vertical
- Distribution Piece
- See P5-P6



Model : R205B

- General
- Bath Lift
- Vertical
- Distribution Piece
- See P7-P8



Model : R205D

- Compact
- Motor Lift
- Vertical
- Low Boiling Point
- See P9-P10

Rotary Evaporator – Model: R201B

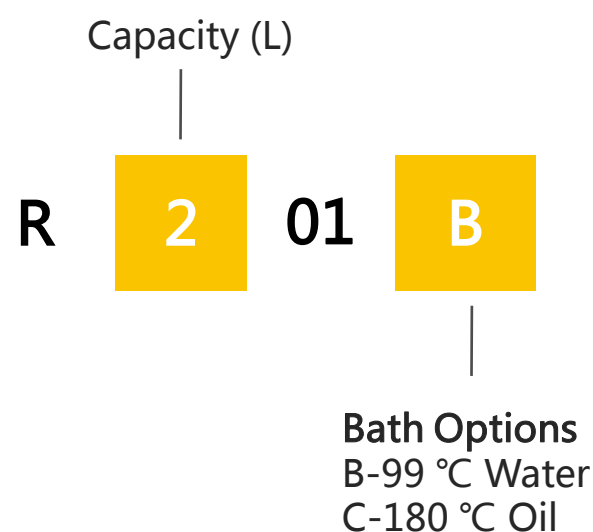


Overview

Economic model for basic reaction requirements. Robust and durable. Popular >10 years and widely used in scientific research and education.

- Capacity: 100 ml - 2000 ml;
- Teflon seal, max vacuum <2 mbar;
- Heating bath, temperature control range: RT ~ 99°C (180 °C, Oil);
- Motor hand lift mechanism;
- Quality borosilicate glass 3.3 (BORO 3.3);
- Diagonal dual coil condenser;
- Rotary speed: 20 – 180 rpm;
- SUS304 frame.

Model



Features

Teflon Sealing, Vacuum Tight



Durable
Teflon/PTFE sealing
enables max
vacuum level reach
<2mbar.

Compatible with 0.1 – 2L Flask



0.1L – 2L/NS24
evaporation flask is
applicable. Anti-splash
Trap is optional
against bumping.

Heating Bath, Durable



Quick, precise heats
water or oil and
covers a wide temp.
range from RT – 99
°C (180°C, Oil).

Motor Hand Lift Mechanism



Economic and safe lift
jack to smooth adjust
motor height.

Diagonal Condenser



For standard
reaction with lowest
height requirement.
Excellent for
solvents with high
boiling points.

Stepless Control & Induction Motor



Stepless control of
rotation speed range:
20 – 180 rpm;

AC induction motor,
brushless, low noise.

Rotary Evaporator – Model: R202B

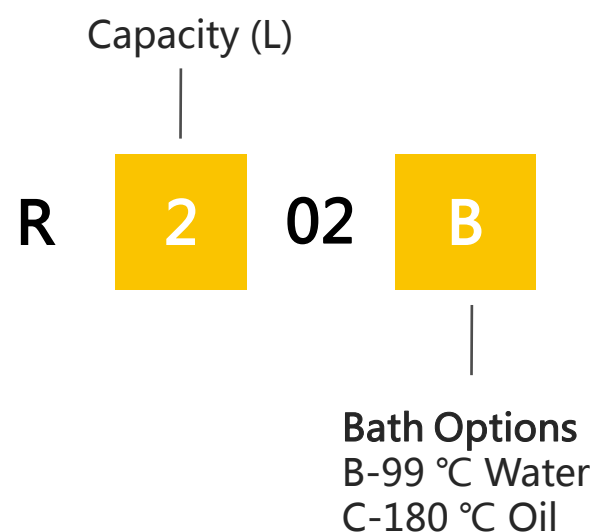


Overview

General model for basic reaction requirements. Robust and durable. Popular >10 years and widely used in scientific research and education.

- Capacity: 100 ml - 2000 ml;
- Teflon seal, max vacuum <2 mbar;
- Heating bath, temperature control range: RT ~ 99°C (180 °C, Oil);
- Motor hand lift mechanism;
- Quality borosilicate glass 3.3 (BORO 3.3);
- Vertical dual coil condenser;
- Rotary speed: 20 – 180 rpm;
- SUS304 frame.

Model



Features

Teflon Sealing, Vacuum Tight



Durable
Teflon/PTFE sealing
enables max
vacuum level reach
<2mbar.

Compatible with 0.1 – 2L Flask



0.1L – 2L/NS24
evaporation flask is
applicable. Anti-splash
Trap is optional
against bumping.

Heating Bath, Durable



Quick, precise heats
water or oil and
covers a wide temp.
range from RT – 99
°C (180°C, Oil).

Motor Hand Lift Mechanism



Economic and safe lift
jack to smooth adjust
motor height.

Condenser & Distribution Piece



Excellent for
solvents with low
boiling points.
Prevent reverse
flow of condensates
to evaporating flask.

Stepless Control & Induction Motor



Stepless control of
rotation speed range:
20 – 180 rpm;

AC induction motor,
brushless, low noise.

Rotary Evaporator – Model: R205B



Overview

Most popular model. Highly recommended and widely used in R&D laboratory. Performance model for most reaction.

- Capacity: 100 ml - 2000 ml;
- Teflon seal, max vacuum <2 mbar;
- Heating bath, temperature control range: RT ~ 99°C (180 °C, Oil);
- Bath hand lift mechanism;
- Quality borosilicate glass 3.3 (BORO 3.3);
- Vertical dual coil condenser;
- LED display of rotation speed and temp.
- Rotary speed: 20 – 180 rpm;
- SUS304 frame.

Model

R

2

05

B

Capacity (L)

Bath Options
B-99 °C Water
C-180 °C Oil

Features

Teflon Sealing, Vacuum Tight



Durable
Teflon/PTFE sealing
enables max
vacuum level reach
<2mbar.

Compatible with 0.1 – 2L Flask



0.1L – 2L/NS29
evaporation flask is
applicable. Anti-splash
Trap is optional
against bumping.

Heating Bath, Durable



Quick, precise heats
water or oil and
covers a wide temp.
range from RT – 99
°C (180°C, Oil).
Economic and safe
lift jack to smooth
adjust bath height.

Easy Flask Removal



Quick & easy removal
of evaporating flask
with taper joint, to
prevent broken of
vapor duct and
evaporating flask
during disassemble.

Condenser & Distribution Piece



Excellent for
solvents with low
boiling points.
Prevent reverse
flow of condensates
to evaporating flask.

Stepless Control & Induction Motor



Stepless control of
rotation speed range:
20 – 180 rpm;

LED display of actual
rotation speed;

AC induction motor,
brushless, low noise.

Rotary Evaporator – Model: R205D



Overview

Compact model for basic reaction requirements. Robust and durable. Popular >10 years and widely used in scientific research and education.

- Capacity: 100 ml - 2000 ml;
- Teflon seal, max vacuum <2 mbar;
- Heating bath, temperature control range: RT ~ 99°C (180 °C, Oil);
- Motor hand lift mechanism;
- Quality borosilicate glass 3.3 (BORO 3.3);
- Compact vertical dual coil condenser;
- Rotary speed: 20 – 180 rpm;
- LED display of rotation speed and temp.
- SUS304 frame.

Model

R

2

05

D

Capacity (L)

Glass Assembly Options
D – Compact Vertical

Features

Teflon Sealing, Vacuum Tight



Durable
Teflon/PTFE sealing
enables max
vacuum level reach
<2mbar.

Compatible with 0.1 – 2L Flask



0.1L – 2L/NS24
evaporation flask is
applicable. Anti-splash
Trap is optional
against bumping.

Heating Bath, Durable



Quick, precise heats
water or oil and
covers a wide temp.
range from RT – 99
°C (180°C, Oil).

Motor Hand Lift Mechanism



Economic and safe lift
jack to smooth adjust
motor height.

Condenser & Distribution Piece



Excellent for
solvents with high
boiling points. For
standard reaction
with low height
requirement.

Stepless Control & Induction Motor



Stepless control of
rotation speed range:
20 – 180 rpm;

LED display of actual
rotation speed;

AC induction motor,
brushless, low noise.

Technical Specification & Configuration

Parameter

Model	R201B	R202B	R205B	R205D
Type	Economic	General	General	Compact
Evaporating Flask (L)	0.5L+1L/NS24	0.5L+1L/NS29		
Receiving Flask (L)	1L/NS24	1L/KS35		
Condensing Surface (m2)	Diagonal (0.16)	Vertical (0.16)		Vertical Compact (0.16)
Evaporation Efficiency (H2O)	> 1.2L/h			
Motor Power (W)	30W			
Rotation Speed (rpm)	20 – 180			
Max Vacuum Level (mbar)	< 2 mbar (-0.0998MPa)			
Glass Material	Borosilicate Glass 3.3 (BORO 3.3)			
Heating Power (kW)	1.5 kW			
Temp. Control Range (°C)	RT - 99 (180) ±1°C			
Bath Size, Capacity, Material	Φ25×15H, 7L, SUS304			
Height Adjustment (cm)	Motor Hand Lift 11cm	Motor Hand Lift 11cm	Bath Hand Lift 12cm	Motor Hand Lift 11cm
Dimensions (cm)	80×35×70H	70×35×92H	70×35×92H	70×35×80H
Power Supply	220V/50Hz			

Configurations

Model	R201B	R202B	R205B	R205D
Seal	Teflon Sealing			
Heating Bath	Digital Setting, PT100			
LED Digital Display	Bath Temperature		Rotation Speed Bath Temperature	
Distribution Piece	/	●	●	/
Vacuum Gauge	/	/	Scale	/
Safety Features	Over-current Protection No-spark Electronic Control			
Oil Bath (180°C)	○			

Symbol Instruction: / - Not Applicable , ● - Equipped , ○ - Optional

Rotary Evaporator Set – Laboratory Scale



Along with Rotary Evaporator, Shanghai Shensheng provides Vacuum Pump and Cooling Circulator which are designed for optimal use with Rotary Evaporator.



Cooling Circulator
DL-2005

Rotary Evaporator
R205B

Vacuum Pump
SHB-3A

Cooling Circulator



Cooling supply for condenser with lowest temperature of -15°C.

Close circulation of thermal oil to prevent imbibitions from air during cooling, which ensures the purity of thermal oil to increase its lifespan.

Outstanding safety features and performance.

Parameter

Model		DL – 2005
Temp. Control Range (°C)		-15°C - RT
Temp. Control Accuracy (°C)		2°C
Flow Rate (L/min, bar)		15 L/min 0.7 bar
Cooling Power (kW)	20°C	1.5
	0°C	1.0
	-15°C	0.45
Coolant		R-404A
Temperature Display		Digital Display
Close Circulation		●
Dimension (cm)		40×32×65
Power Supply		220V/50Hz

Safety Features

Model		DL – 2005
Compressor Over-temp. Protection		●
Error Alarm		●
Overload Protection		●
High Pressure Protection		●

Vacuum Pump



Safe and reliable water circulation vacuum pump.

Equipped with two independent suction nozzles for vacuum supply.









Can be water supply for condenser.

Oil free and water saving.

Parameter

Model	SHB – 3A
Type	Water Circulation
Max Vacuum (mbar)	20 mbar
Rate (L/min)	10L/min×2
Power	180 W
Dimensions (cm)	39×28×42
Power Supply	220V/50Hz

SPARES & ACCESSORIES

	Item	Description	Specification
	Evaporating Flask	Taper, Pear	100ml/NS29 or NS24 250ml/NS29 or NS24 500ml/NS29 or NS24 1L/NS29 or NS24 2L/NS29 or NS24
	Receiving Flask	Taper, Round	500ml/NS24 1L/NS24
	Receiving Flask	Ball, Round	1L/KS35
	Joint Adaptor	Taper to Taper	NS29 → NS29 NS29 → NS24 NS24 → NS24
	Anti-splash Trap Adaptor	Taper to Taper, Anti-splash	NS29 → NS29 NS29 → NS24 NS24 → NS24
	Vapor Duct	Taper	Φ22/R201 Φ22/R205
	Distribution Piece	Standard, Ball	F50/KS35
	Inlet Valve	Taper	NS19

SPARES & ACCESSORIES



Condenser

Dual Coil
Condensing Surface (m²) :
0.16m²

Diagonal
Vertical
Compact Vertical



Cold Trap (Dry Ice)

Jacketed with Cover

NS34



Main Seal

PTFE

Φ50



O Ring

FKM
EPDM
FEP
FFKM

Φ22
Φ50



Clamp

Flange
Ball Clamp

NS24
NS29
KS35

Factory Show - Shanghai Shensheng Biotech Co., Ltd.



Manufacture Plant in Shanghai



Quality Mechanical Parts



Experienced Glassware Maker



Fine Processing



Individual quality control for every unit



Pilot Scale Jacketed Glass Reactor



Pilot Scale Rotary Evaporator

Our Customer



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